INTERNATIONAL SEARCH REPORT

Internal Application No PCT/EP2004/003738

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01011/00 G010 G01D11/02 G01D5/347 F16J15/43 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G01D F16J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to daim No. Citation of document, with Indication, where appropriate, of the relevant passages Category * 1-3 EP 0 785 436 A (SKF IND SPA) Υ 23 July 1997 (1997-07-23) column 2, lines 1-18; figure 2 DE 25 05 802 A (POLYMOTOR ITALIANA SPA) 1-3 Y 26 August 1976 (1976-08-26) figure 1 1-3 US 5 704 613 A (HOLTKAMP WILLIAM H) γ 6 January 1998 (1998-01-06) column 1, lines 20-54; figure 2 US 4 817 964 A (BLACK JR THOMAS J) 1-3 Y 4 April 1989 (1989-04-04) figure 6 Patent family members are listed in annex. χ Further documents are listed in the continuation of box C. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 03/11/2004 21 October 2004 Name and mailing address of the ISA Authorized officer European Patent Offica, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Kallinger, C

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Interpopular Application No PCT/EP2004/003738

		PCT/EP2004/003738			
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT					
tegory °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.			
	US 4 531 846 A (RAJ KULDIP) 30 July 1985 (1985-07-30) figures 1,2	1-3			
,	EP 0 012 556 A (EZEKIEL FREDERICK D) 25 June 1980 (1980-06-25) figure 6	1,2			
	·				

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INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No PCT/EP2004/003738

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0785436	A	23-07-1997	IT DE EP JP US	T0960023 A1 69632946 D1 0785436 A1 9297151 A 5859426 A	18-07-1997 26-08-2004 23-07-1997 18-11-1997 12-01-1999
DE 2505802	A	26-08-1976	DE	2505802 A1	26-08-1976
US 5704613	Α	06-01-1998	US	5660397 A	26-08-1997
US 4817964	А	04-04-1989	DE EP JP	3670899 D1 0220834 A2 62075178 A	07-06-1990 06-05-1987 07-04-1987
US 4531846	Α	30-07-1985	DE GB JP	3447571 A1 2152156 A ,B 60139913 A	04-07-1985 31-07-1985 24-07-1985
EP 0012556	A	25-06-1980	US CA DE EP JP JP JP JP	4293137 A 1135296 A1 2966056 D1 0012556 A1 1503887 C 55094061 A 62030340 B 1079420 A 2023730 B	06-10-1981 09-11-1982 15-09-1983 25-06-1980 28-06-1989 17-07-1980 01-07-1987 24-03-1989 25-05-1990